

REMARKS

Applicants' previous amendment to include "opaque" in the claims was a mistake.

The invention is directed to a paper document which when back-lit shows a watermark, which is not visible by mere front-lit illumination on either side of the paper document. The distinguishing novelty over the teachings of Tavernier et al. relate to the distinct and independent images on either side of the paper document of the subject application, one of which is adjusted by a phase shift which allows the image to remain perceptibly unchanged to a user viewing the document with front-lit illumination. However, the phase shift is limited to generating a recognizable watermark through the halftone pattern interactions on both sides of the sheet creating a multiplicative combination upon back-lit illumination. Although the teachings in Tavernier are very very limited, it is suggested in column 5 that the "the security features can be introduced" by halftones screened with various angles or registering on both sides of the substrate. (See also column 7, lines 34-46.) At column 9, for dealing with transparent substrates, it is taught that the moiré pattern can only be achieved through screening with a different angle. Of course with any transparent implementation both sides of the document must be an identical image (mirror image) to a reader.

Accordingly, it is submitted that Tavernier et al. fails to teach the generating of a recognizable watermark through a document having different images on both sides of the paper obtained through a halftone pattern phase shift.

The courtesy of an Examiner Interview on Thursday May 3, 2007, is greatly appreciated. At the Interview, the Applicants discussed the distinguishing features of the subject application over the teachings of the Tavernier reference especially. It was acknowledged in the discussions, that neither Tavernier, nor the other cited references, disclosed a phase shift technique for generating the watermark through halftone interaction. The Examiner will appreciate that the claims have been amended to limit the claimed development to generating the desired show-through pattern through a halftone interaction produced through a phase shift of a second image on the back of the document.

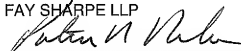
CONCLUSION

We believe this application is now in condition for allowance, and early notice thereof is respectfully requested.

In the event the Examiner considers personal contact advantageous to the disposition of this case, he/she is hereby authorized to call Patrick R. Roche, at Telephone Number (216) 861-5582.

Respectfully submitted,

FAY SHARPE LLP



Patrick R. Roche, Reg. No. 29,580
1100 Superior Avenue, Seventh Floor
Cleveland, OH 44114-2579
216-861-5582

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